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Title
VHdbx: an X window system based high-level debugger for the VHDL simulation environment.
Author(s)
Bo-Wan; Jinian-Bian; Ed. by Baldwin-G-L; Li-Z; Tsai-C-C; Zhang-J.
Author affiliation
Dept of Comput Sci, Tsinghua Univ, Beijing, China.
Source
Proceedings of 4th International Conference on Solid-State and IC Technology, Beijing, China, 24-28
Oct. 1995.
Sponsors: Chinese Inst. Electron., IEEE Electron Devices Soc.
In: p.358-60, 1995.
ISSN
ISBN: 0-7803-3062-5.
Publication year
1995.
Language
EN.
Publication type
CPP Conference Paper.
Treatment codes
A Application; P Practical.
Abstract
In this paper we present a graphical high-level debugger for the VHDL simulation environment. The
features of the tool are its user friendly interface based on Motif under X Window system, a capability
to high-level **debugging,** a capability to support many methods to set breakpoints, selective enabling
and disabling of breakpoints, single stepping and trace mode, a capability to display source code,
simulation results, and graphical views such as schematic diagram and design hierarchical diagram
synchronically, a capability to view the current values of signals or variables and change them, a
capability of visualization of simulation results, and a capability to view the waveform of results while
simulating. (4 refs).
Descriptors
circuit-analysis-computing; data-visualisation; digital-simulation;
hardware-description-languages; integrated-circuit-design; program- debugging; VLSI.
Keywords

VHdbx; X window system; high level debugger; VHDL simulation environment; user friendly interface; Motif; selective enabling; selective disabling; breakpoints; single stepping; trace mode; source code; design hierarchical diagram; visualization; IC design; VLSI; digital simulation.

Classification codes

B1130B	(Computer-aided **circuit** analysis and design).
B2570	(Semiconductor integrated circuits).
C7410D	(Electronic engineering computing).
C6140D	(High level languages).
C6150G	(Diagnostic, testing, **debugging** and evaluating systems).
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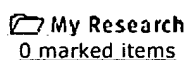Information added since: [   ] or: [none   ▼]   search
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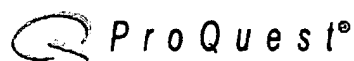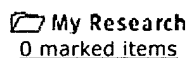☐   1. **Structural and functional studies of core-binding factors (CBFs)**
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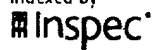
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